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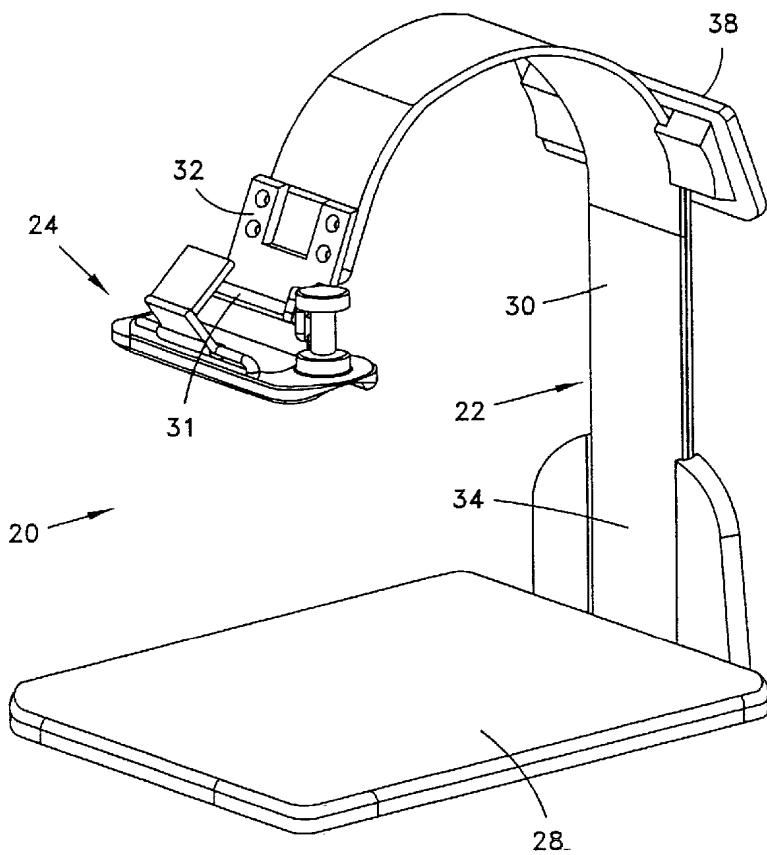
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(54) Title: APPARATUS FOR SEALING A PUNCTURE IN A BLOOD VESSEL



(57) Abstract: An apparatus (20) for sealing a puncture in a blood vessel is disclosed having a tissue-confining device (24) for compressing tissue in the vicinity of the puncture, which longitudinally extends between a proximal end and a distal end and is connected to an adjustable artery clamp (22) for controllably applying pressure, such as by a fluid circuit, onto the blood vessel, so as to reduce the hemostasis time. The artery clamp (22) comprises in a preferred embodiment a proximal plunger (60) and a distal plunger (70) positioned upstream and downstream, respectively, to the puncture. The apparatus (20) is also suitable for treating a pseudoaneurysm.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 17/00
US CL : 606/201

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 606/157, 158, 201, 204

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3,625,219 A (ABRAMS et al.) 07 December 1971 (07.12.1971), see the figures and col. 2, lines 45-73.	26,34,35
A	US 5,254,123 A (BUSHEY) 19 October 1993 (19.10.1993), see entire document.	1-35

Further documents are listed in the continuation of Box C.

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:
EAST BRS
search terms: frame, clamp